

Supplementary Table 2 List of antigens tested in pBQAP-OVA/pBQAP-TT.

	Name	Accession	Homology	Size (bp)	Source	Epitope	Response
1	ADR	S56143	93%	30	synthetic	OVA	-
2	AK1 (mouse)	BG795557	100%	300	synthetic	OVA	+
3	ApoAV (mouse)	NM080434	100%	300	synthetic	TT	+
4	CDK9	X80230	98%	300	synthetic	TT	+
5	DDIT3 (mouse)	AA914803	100%	300	synthetic	OVA	+
6	ELK3 (mouse)	NM013508	100%	300	synthetic	OVA	+
7	EST1 (mouse)	BG795231	100%	300	synthetic	OVA	+
8	EST2 (mouse)	BG795231	100%	54	synthetic	OVA	+
9	EST3 (mouse)	BG795399	100%	42	synthetic	OVA	+
10	EST4 (mouse)	AA511850	100%	300	synthetic	OVA	+
11	EST5 (mouse)	AA512810	100%	300	synthetic	OVA	+
12	EWSH (mouse)	BG795113	100%	300	synthetic	OVA	+
13	Fas (mouse)	M83649	100%	300	synthetic	TT	+
14	GBL (mouse)	NM019988	100%	300	synthetic	OVA	-
15	HPR (region 1)	X89214	75%	60	synthetic	TT	+
16	HPR(region 2)	X89214	75%	60	synthetic	TT	+
17	Igfbp2 (mouse)	BG791384	100%	300	synthetic	OVA	+
18	IGF1	M29644	93%	210	synthetic	OVA	+
19	Interleukin 2	X01586	63%	399	synthetic	TT	+
20	Interleukin 5	X04688	70%	336	synthetic	TT	+
21	Leptin	U43653	83%	438	synthetic	TT	-
22	MBTPS2 (hamster)	AF019612	-	300	synthetic	TT	-
23	MCIP1 (mouse)	Q9JHG6	100%	591	cDNA	TT	+
24	MCIP1 exon 1	U28833	96%	60	synthetic	TT	+
25	MCIP1 exon 4	U28833	96%	60	synthetic	OVA	-
26	MCIP2 exon 1	U28833	96%	60	synthetic	OVA	+
27	MCIP2 exon 2	U28833	96%	60	synthetic	OVA	+
28	MCIP3 exon 1	U28833	96%	60	synthetic	OVA	+
29	MLCK1	U48959	33%	60	synthetic	TT	+
30	MLCK4	U48959	33%	42	synthetic	TT	+
31	R26W (mouse)	NM025960	100%	300	synthetic	TT	+
32	RYR2	X98330	97%	60	synthetic	OVA	+
33	TBP	X54993	91%	300	synthetic	TT	+
34	TNF β	QWHUX	73%	300	synthetic	TT	+
35	TRPC2 (mouse)	NM011644	100%	300	synthetic	OVA	+
36	Ubiquitin (mouse)	NM018955	100%	228	cDNA	TT	+
37	VR1 α	2102273A	84%	51	synthetic	OVA	-